Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/24/2018 11:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125444	0	1.13	125417	1.14
Blue	F	SSC	125000	124056	-1	1.91	124679	1.91
Blue	E	FITC	15760	15480	-2	2.91	335	21.80
Blue	D	PE	25880	25234	-3	1.89	550	17.06
Blue	B	PerCP-Cy5-5	34075	33227	-3	4.11	1016	21.97
Blue	A	PE-Cy7	22776	22651	-1	7.30	547	45.74
Red	C	APC	42488	41674	-2	2.63	1577	13.45
Red	A	APC-Cy7	24478	23887	-3	2.79	828	13.01
Violet	B	V450	6304	6123	-3	4.21	433	15.68
Violet	A	V500	26005	25012	-4	3.71	607	12.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21343	4.39	606	9	N/A	N/A	Pass
Blue	F	SSC	55856	1.32	568	13	N/A	N/A	Pass
Blue	E	FITC	59	70.60	560	4	0.0164	147	Pass
Blue	D	PE	114	56.74	553	4	0.1120	229	Pass
Blue	B	PerCP-Cy5-5	190	54.91	652	5	0.0080	98	Pass
Blue	A	PE-Cy7	105	112.68	705	8	0.0088	21	Pass
Red	C	APC	375	27.77	601	1	0.0192	89	Pass
Red	A	APC-Cy7	203	27.74	572	1	0.0045	512	Pass
Violet	B	V450	117	42.19	487	-2	0.0242	2184	Pass
Violet	A	V500	102	36.03	504	-2	0.0147	738	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.46	-30.87	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.30	13.60 - 20.40	N/A	N/A	30.60	31.33	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13521

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments